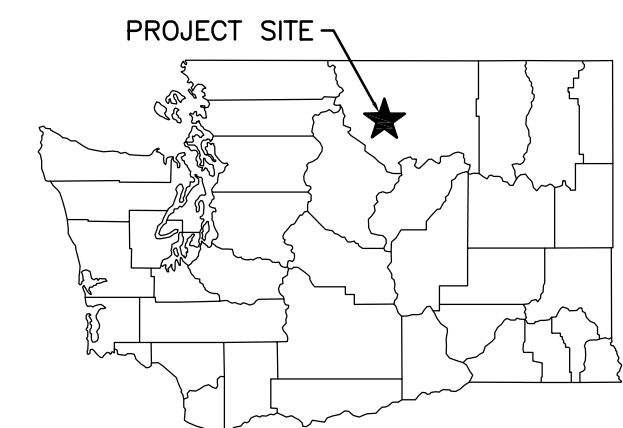
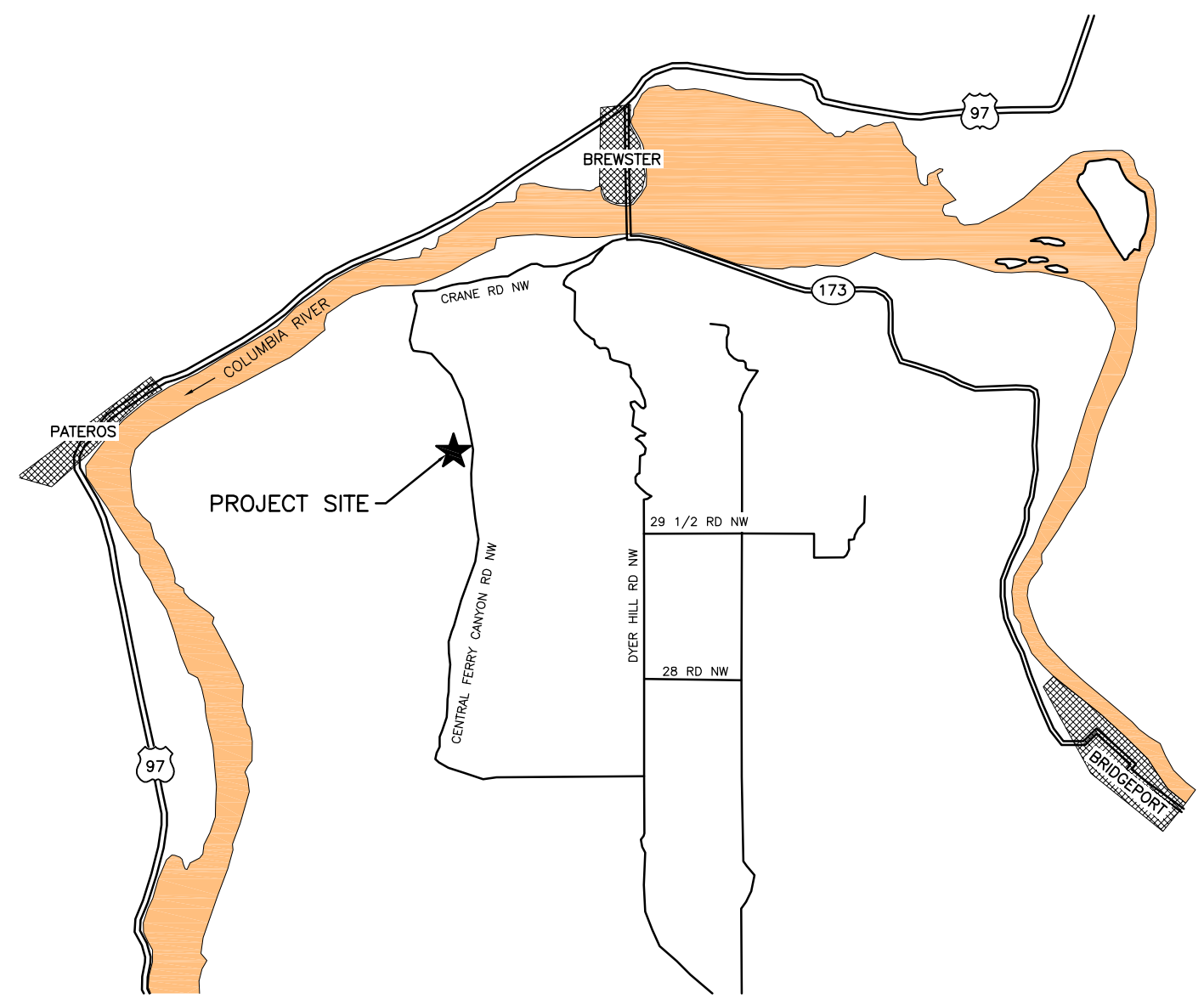


SITE MAP
 SCALE: 1" = 1000'
NOTE:
 REBUILD FENCE IN EXISTING
 BURNED FENCE ALIGNMENT



STATE MAP
 NOT TO SCALE



VICINITY MAP
 NOT TO SCALE

WASHINGTON STATE
DEPARTMENT OF FISH AND WILDLIFE

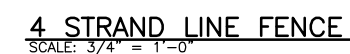
		0 ————— 1" BAR MEASURES ONE INCH ON ORIGINAL DRAWINGS	
SYM	DATE	REVISION DESCRIPTION	BY
APPROVED AND RELEASED FOR CONSTRUCTION			
CHIEF ENGINEER		DATE:	DESIGNED BY <u>R. BERG</u>
PROGRAM		DATE:	CHECKED BY:
			DRAWN BY <u>N. WHITE</u>
			DATE <u>9-18-2014</u>

WELLS WLA – CENTRAL FERRY CANYON UNIT
CRANE ROAD FIRE FENCE
STATE, VICINITY, & SITE MAP

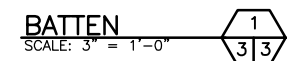
PROJECT NO. DS:R162:14-1	
SHEET 1	OF 4



1. STEEL TEE POSTS SHALL BE HEAVY DUTY WEIGHT, 1.33#, GREEN WITH WHITE TOP, MINIMUM OF 6'-0" LENGTH. ALL POSTS SHALL BE DRIVEN TO A MINIMUM DEPTH OF 16". IF DEPTH CANNOT BE REACHED DUE TO GROUND CONDITION USE METHOD APPROVED BY ENGINEER, SEE SPECIFICATIONS.
2. SMOOTH TWIST WIRE SHALL BE 12 1/2 GA., BARBLESS, SMOOTH TWISTED WIRE, SEE SPECIFICATIONS.
4. WIRE CLAMPS TO ATTACH BARB WIRE TO STEEL POSTS SHALL BE GALV. 11 GA. WIRE.

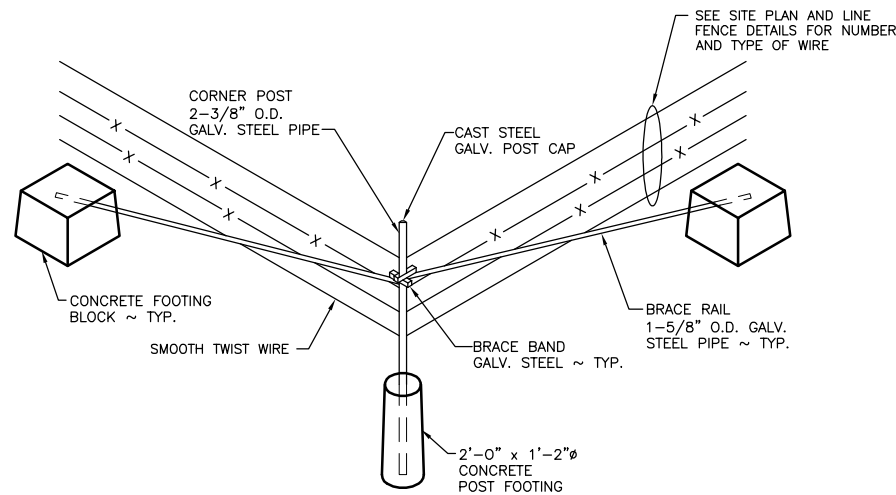


1. STEEL T POST SHALL BE HEAVY DUTY WEIGHT, 1.33 LBS PER FOOT, GREEN WITH WHITE TOP, MINIMUM OF 6'-0" LENGTH, ALL STEEL POSTS SHALL BE DRIVEN TO A DEPTH OF 18". IF DEPTH CANNOT BE REACHED DUE TO GROUND CONDITIONS, USE METHODS APPROVED BY ENGINEER.
2. SMOOTH TWIST WIRE SHALL BE 12 1/2 GA., BARBLESS, SMOOTH TWISTED WIRE, CLASS 3 GALV.
3. BARB WIRE SHALL BE CLASS 3 GALV. 12 1/2 GA., 4 POINT 14 GA. BARBED, WITH BARBS SPACED AT 5".
4. WIRE CLAMPS TO ATTACH BARB WIRE TO STEEL POSTS SHALL BE GALV. 11 GA. WIRE.



				0 ————— 1"
				BAR MEASURES ONE INCH ON ORIGINAL DRAWINGS
SYM	DATE	REVISION DESCRIPTION		BY
APPROVED AND RELEASED FOR CONSTRUCTION				
CHIEF ENGINEER				DESIGNED BY R. BERG
DATE:				CHECKED BY:
PROGRAM				DRAWN BY N. WHITE
DATE:				DATE 9-18-2014

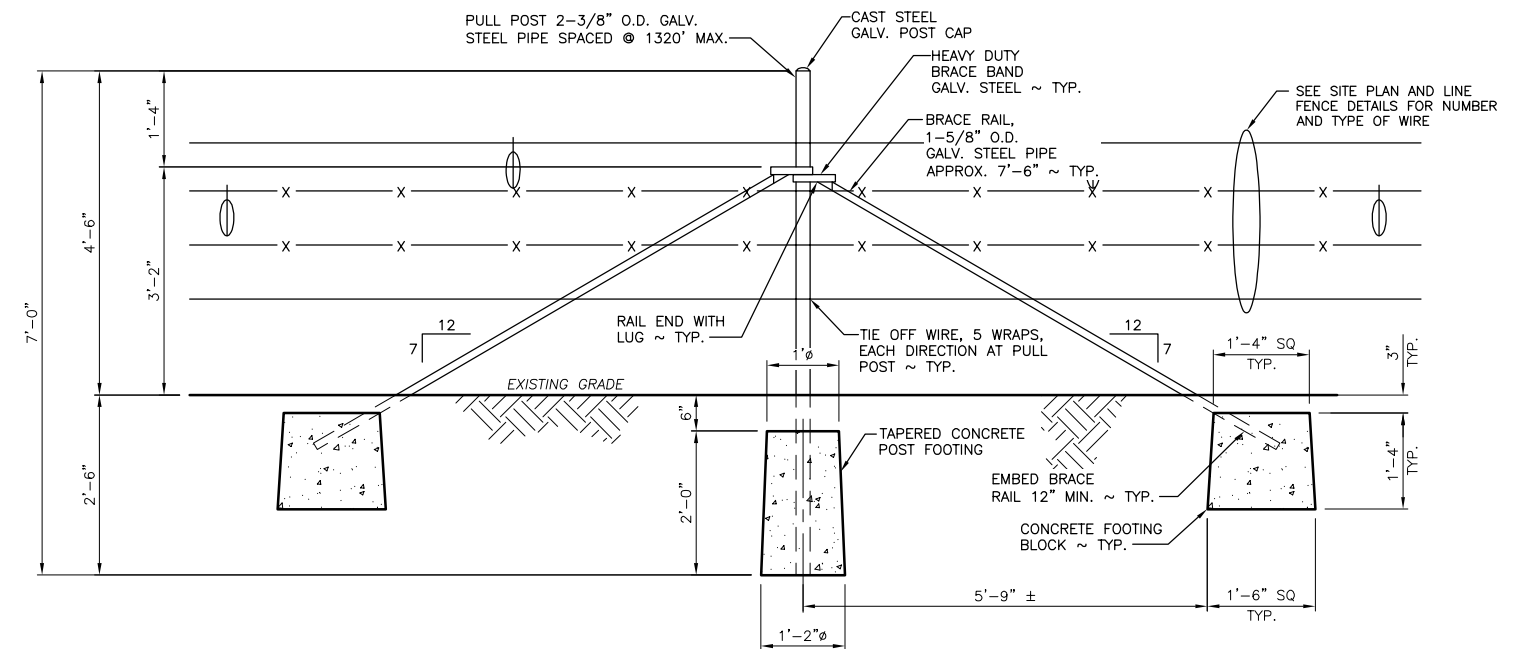
PROJECT NO. DS:R162:14-1	
SHEET 2	OF 4



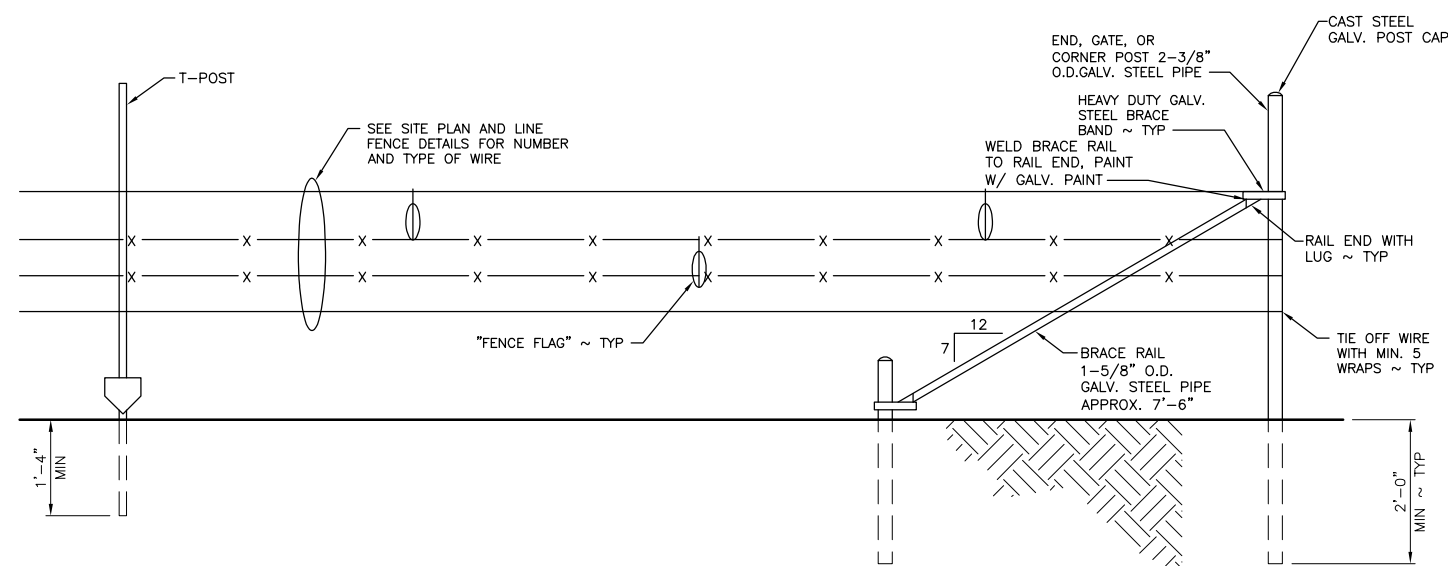
CORNER BRACE ISOMETRIC
SCALE: 3/8" = 1'-0"

NOTE:

SEE TWO WAY STRETCH BRACE FOR CONSTRUCTION DETAILS (SIMILAR).



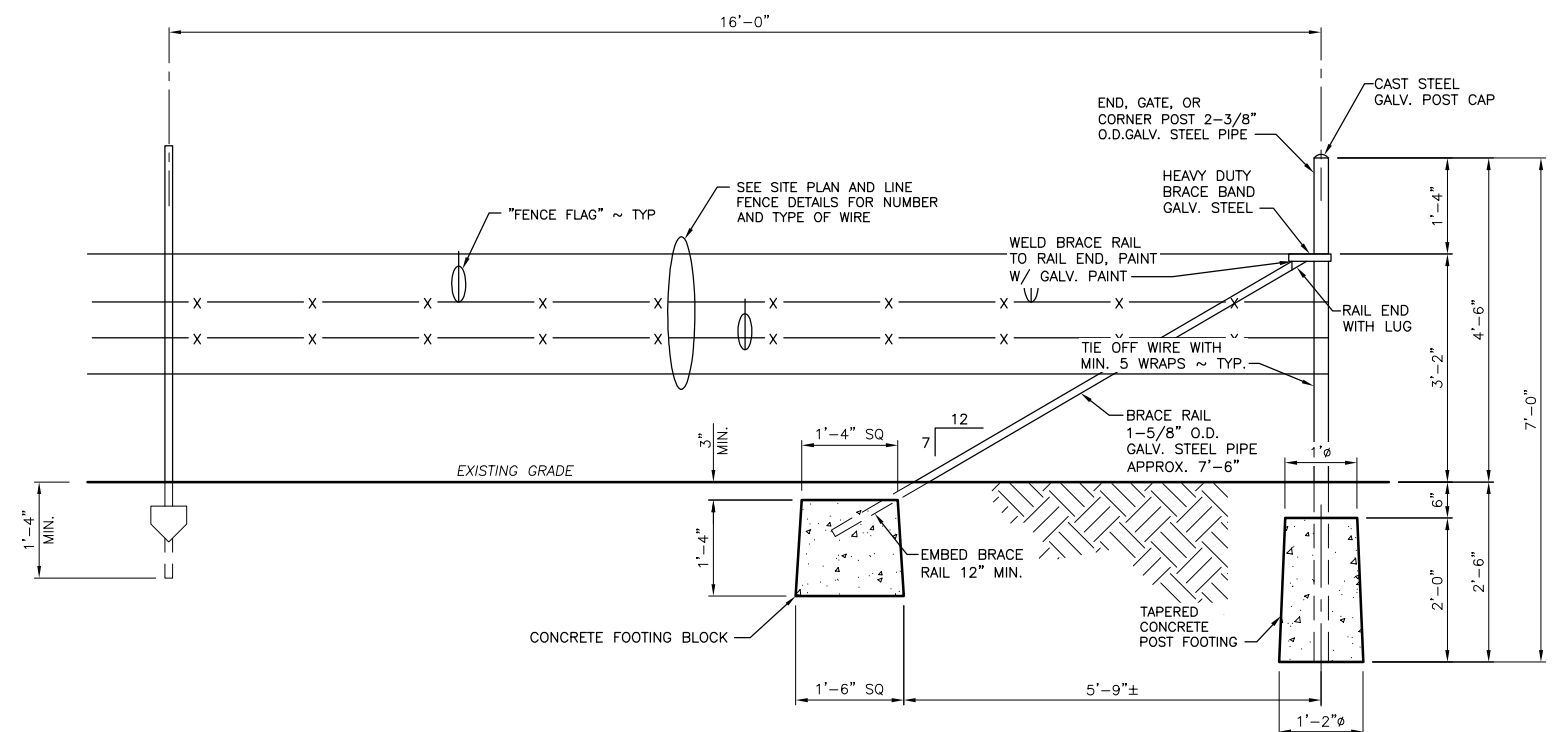
TWO WAY STRETCH BRACE
SCALE: 3/4" = 1'-0"



**END, GATE, OR
BRACE ALTERNATIVE**
SCALE: 3/4" = 1'-0"

NOTES:

1. IF THE LINE POST DESIGN DEPTH CANNOT BE OBTAINED BY CONVENTIONAL DRIVING DUE TO EXISTING SOIL/ROCK CONDITIONS, THE POST HOLE SHALL BE DRILLED TO ACHIEVE 16" EMBEDMENT AND THE POST INSTALLED WITH THE BRACE PLATE REMOVED. THESE LOCATIONS ARE TO BE AS DIRECTED AND/OR APPROVED BY ENGINEER. TEE POSTS RECEIVING A DRILLED HOLE SHALL HAVE THEIR BRACE PLATE SECURELY WIRED TO THE SIDE OF THE TEE POST ABOVE GROUND TO MARK IT AS ONE WITH A DRILLED HOLE.
2. IF THE BRACE FOUNDATIONS CANNOT BE DUG CONVENTIONALLY DUE TO BEDROCK, A 3" HOLE FOR THE STRETCH POST SHALL BE DRILLED TO A DEPTH OF AT LEAST 24" INTO THE ROCK AND THE POST BE GROUTED WITH A THIN FLOWABLE GROUT. AN IDENTICAL HOLE FOR A POST TO RECEIVE THE LOWER END OF THE BRACE RAIL SHALL ALSO BE DRILLED, AND 2-3/8" POST GROUTED IN. THE BRACE RAIL SHALL RECEIVE A BRACE BAND AND END LUG ON EACH END. WELD THE BRACE RAIL TO THE RAIL END AND PAINT. THE BRACE ASSEMBLY SHALL BE TIGHT AND RIGID.



**END, GATE, OR
CORNER BRACE ELEVATION**
SCALE: 3/4" = 1'-0"

NOTES:

1. SEE END, GATE, OR BRACE ALTERNATIVE DETAIL WHEN DEPTH OF POSTS CANT BE MET.
2. HEAVY DUTY BRACE BAND SHALL BE FIXED IN PLACE WITH ONE 0.27 CALIBER POWDER ACTUATED NAIL OR 1/4" SELF-TAPPING SCREW.
3. POSITION OF WIRE ON END POST SHALL BE FIXED IN PLACE WITH ONE 0.27 CALIBER POWDER ACTUATED NAIL OR 1/4" SELF-TAPPING SCREW.

WASHINGTON STATE
DEPARTMENT OF FISH AND WILDLIFE

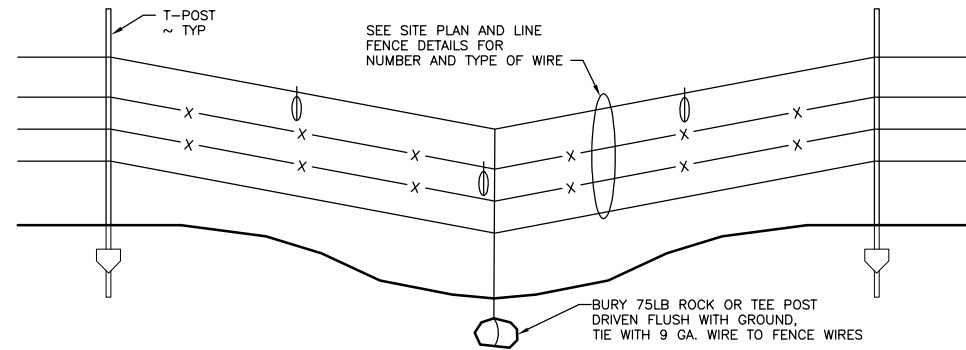
						0 ————— 1"
						BAR MEASURES ONE INCH ON ORIGINAL DRAWINGS
SYM	DATE	REVISION DESCRIPTION			BY	
APPROVED AND RELEASED FOR CONSTRUCTION						DESIGNED BY <u>R. BERG</u>
						CHECKED BY _____
CHIEF ENGINEER		DATE:		DRAWN BY <u>N. WHITE</u>		
PROGRAM		DATE:		DATE <u>9-18-2014</u>		

WELLS WLA – CENTRAL FERRY CANYON UNIT
CRANE ROAD FIRE FENCE
FENCE DETAILS 2

PROJECT NO.
DS:R162:14-1

SHEET
3

OF
4

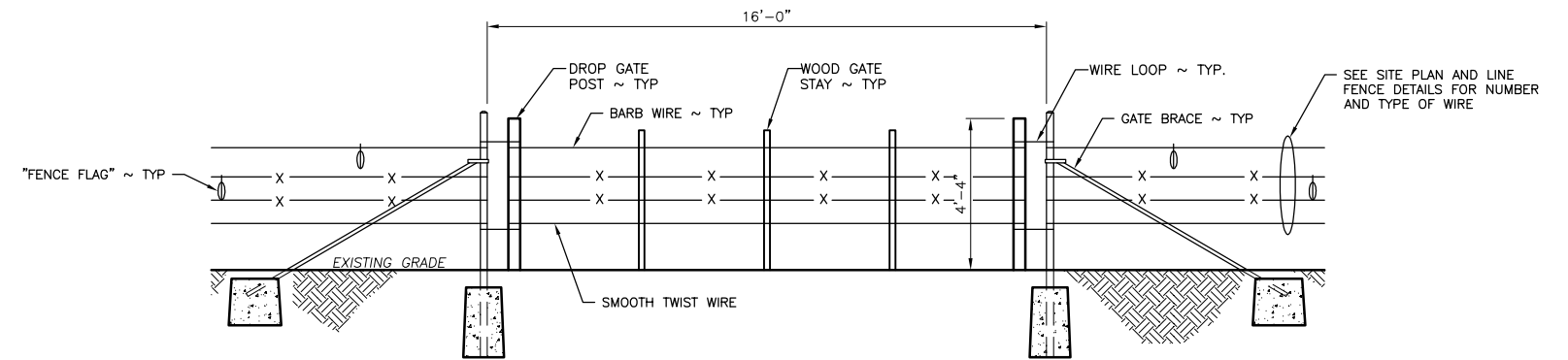


HOLD-DOWN DETAIL

NOT TO SCALE

NOTE:

INSTALL HOLD-DOWNS AS NECESSARY TO MAINTAIN WIRE-TO-GROUND SPACING

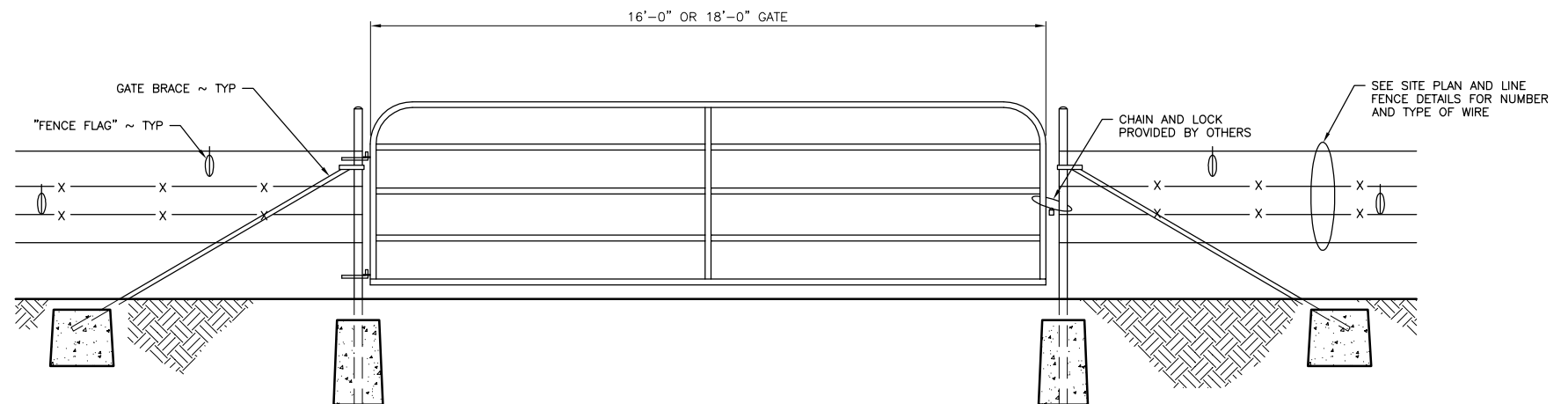


DROP GATE

SCALE: 3/8" = 1'-0"

NOTES:

1. GATE SHALL BE 16'-0" IN WIDTH AND SHALL HAVE THREE PRESSURE TREATED 2x4 VERTICAL STAYS AT 1/4 POINTS ALONG GATE. THE DROP POSTS LOCATED AT EACH END SHALL BE 3" - 4" WOOD POSTS CUT TO A LENGTH OF 4'-4".
2. WIRE LOOPS CONSTRUCTED OF 11 GAUGE GALVANIZED BRACE WIRE AND LOOPED AROUND END BRACE POSTS TO FACILITATE CLOSURE OF THE GATE. SPACING OF THE LONGITUDINAL WIRES SHALL BE THE SAME AS THE LINE FENCE.
3. WOOD STAYS SHALL BE PRESERVATIVE PRESSURE TREATED AND STAPLED WITH 9 GAUGE x 1-1/2" LONG GALVANIZED STAPLES.
4. GATE POSTS AND BRACE SHALL BE USED FOR PANEL GATES ALSO.



PANEL GATE

SCALE: 1/2" = 1'-0"

WASHINGTON STATE
DEPARTMENT OF FISH AND WILDLIFE

				0 — 1" BAR MEASURES ONE INCH ON ORIGINAL DRAWINGS	
SYM	DATE	REVISION DESCRIPTION		BY	DESIGNED BY R. BERG
		APPROVED AND RELEASED FOR CONSTRUCTION			CHECKED BY
CHIEF ENGINEER		DATE:			DRAWN BY N. WHITE
PROGRAM		DATE:			DATE 9-18-2014

WELLS WLA — CENTRAL FERRY CANYON UNIT
CRANE ROAD FIRE FENCE
FENCE DETAILS 3

PROJECT NO.
DS:R162:14-1

SHEET OF
4 4